IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	Michael Heuken, et al.
Serial No Pending	Filed: June 1, 2001
Title of Application:	Method And System For Semiconductor Crystal Production With Temperature Management

Assistant Commissioner for Patents Washington, DC 20231

Cover Sheet For Eleven Sheets Of Drawings

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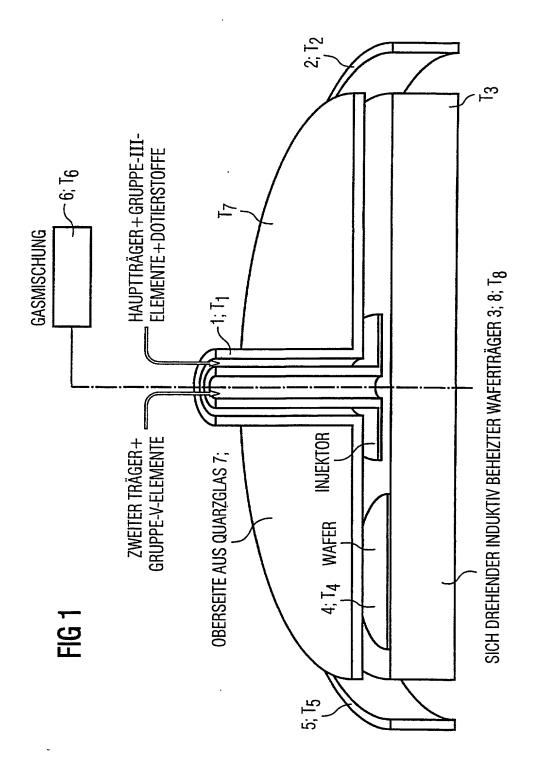
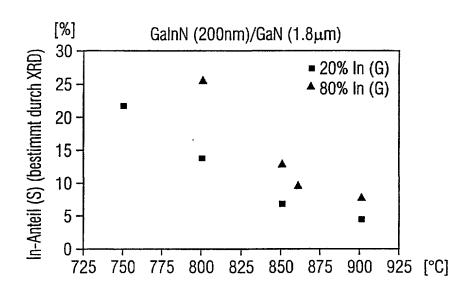


FIG 2
In-Anteil in Abhängigkeit von der Herstellungstemperatur



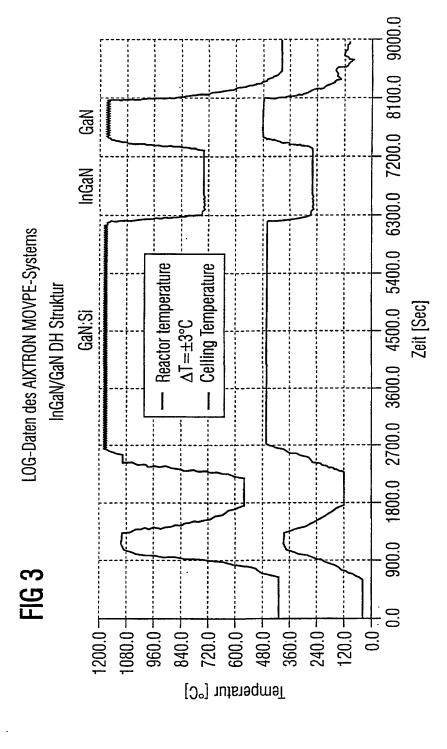
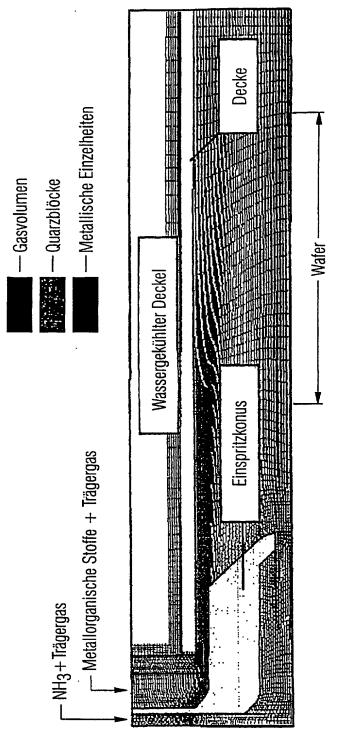


FIG 3a

Schematische Darstellung des Rechenbereichs und des finiten Volumengitters zur Analyse des Massentransports Modell des Massentransports



Temperaturverteilung

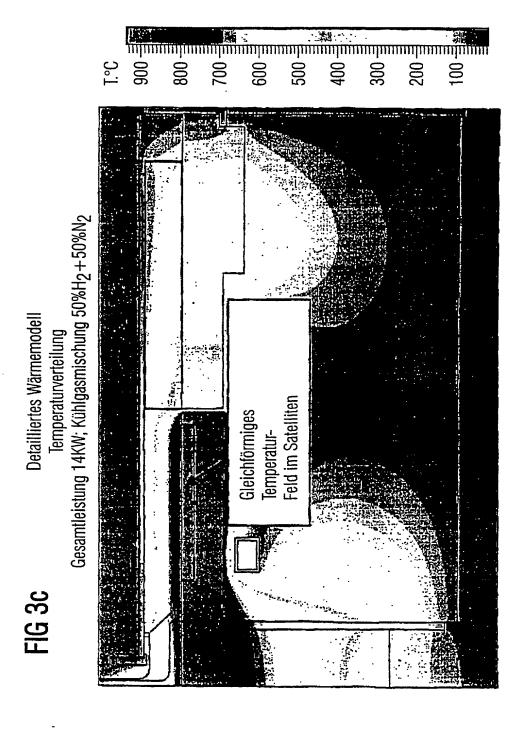
FIG 3b

Das Modell erklärt:

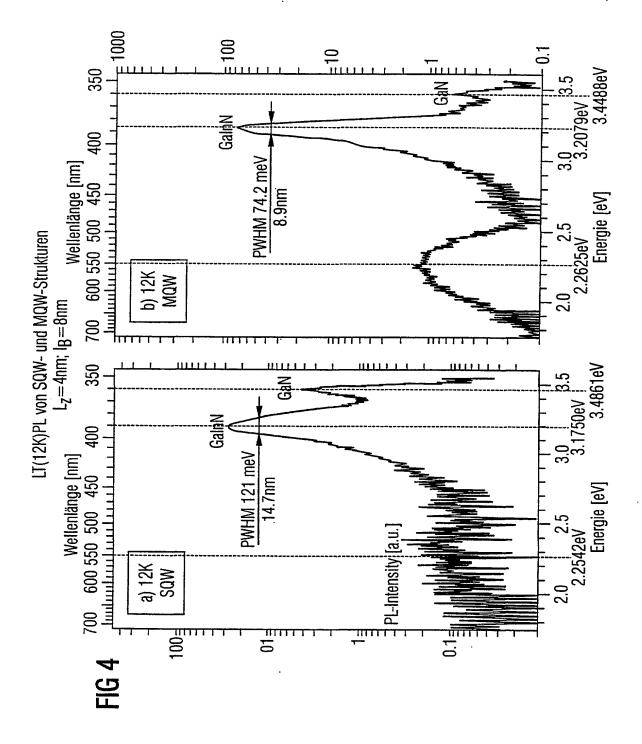
- Mischung und Reaktion von Vorläuferströmen,

Grau diffuse Stralung

- Konjugierte Wärmeübertragung

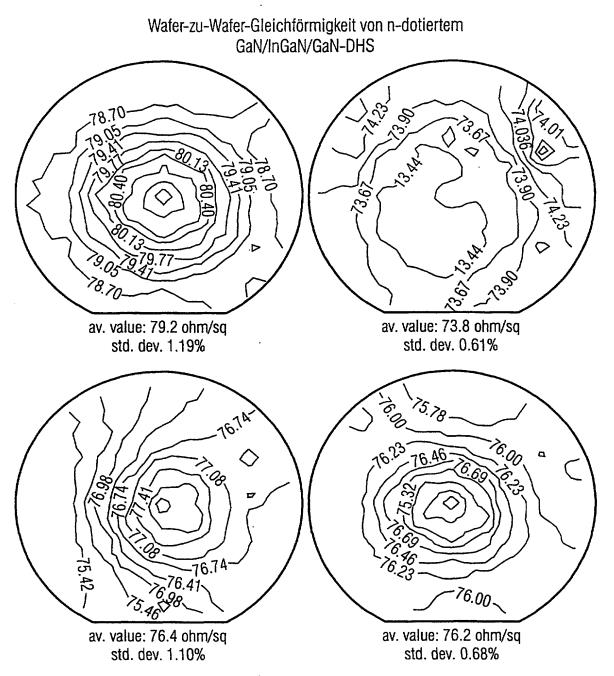






Bin size is 1.00nm 35 30 Gleichförmigkeit der InGaN-Herstellung in einer Mehrwafer-Reaktionskammer Herstellung in AIX 2000HT, Wafergröße: 7 x 2" -Standardabw.: 1.74nm
-Mittelwert : 442.20nm
-10% : 440.60nm
-90% : 444.40nm : UV_HeCd Wellenlängen-Durchschnitt: 442.44nm 442.4 452.4 447.4 [wu] 20 Laser FIG 5 30 -40-50-[ww]

FIG 6



Wafer-zu-Wafer-Standardabweichung: 2,7%

